



## Lessard-Sams Outdoor Heritage Council

### Young Forest Conservation Phase III Laws of Minnesota 2020 Accomplishment Plan

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#### General Information

**Date:** 06/23/2022

**Project Title:** Young Forest Conservation Phase III

**Funds Recommended:** \$1,275,000

**Legislative Citation:** ML 2020, Ch. 104, Art. 1, Sec. 2, subd 3(f)

**Appropriation Language:** \$1,275,000 the second year is to the commissioner of natural resources for an agreement with the American Bird Conservancy to enhance publicly owned, permanently protected forest lands for wildlife management. A list of proposed forest land enhancements must be provided as part of the required accomplishment plan.

#### **Manager Information**

**Manager's Name:** Peter Dieser

**Title:** Minnesota Public Lands Coordinator

**Organization:** American Bird Conservancy

**Address:** P.O. Box 249 4249 Loudoun Avenue

**City:** The Plains, VA 20198

**Email:** pdieser@abcbirds.org

**Office Number:** 540-253-5780

**Mobile Number:** 952-567-1967

**Fax Number:**

**Website:** <https://abcbirds.org/>

#### **Location Information**

**County Location(s):** Clearwater, Beltrami, Becker, Cook, Pine, Carlton, Aitkin, St. Louis, Itasca, Cass and Crow Wing.

**Eco regions in which work will take place:**

- Northern Forest
- Forest / Prairie Transition

**Activity types:**

- Enhance

**Priority resources addressed by activity:**

- Forest

**Narrative****Abstract**

Young Forest Conservation Phase III will continue American Bird Conservancy's successful, ongoing efforts to maintain, restore, and enhance Golden-winged Warbler, American Woodcock, and Ruffed Grouse breeding habitat on publicly protected lands in Minnesota. This work also benefits a suite of associated deciduous, mixed upland and lowland forest habitat species within a diverse, contiguous landscape-level forest matrix. Through Phases I and II, ABC completed 5,535 acres of high-quality early successional habitat projects. Phase III will continue habitat treatments on an additional 3,650+ acres over a five-year period.

**Design and Scope of Work**

In Young Forest Conservation Phases I and II, ABC completed 5,535 acres of projects to create breeding habitat for the Golden-winged Warbler (GWWA), American Woodcock (AMWO), Ruffed Grouse, and associated young forest species, exceeding project goals. ABC partnered with 11 Minnesota DNR Offices, seven Minnesota Counties, two USFWS National Wildlife Refuges, Chippewa National Forest, and the Red Lake Band of Chippewa. In Phase III, ABC will continue to use science-based best management practices (BMPs) to build upon this success and complete 3650+ acres of habitat projects over five years.

Minnesota is a key state in an international initiative to conserve GWWA and AMWO, Minnesota Species of Greatest Conservation Need. ABC also collaborates with partners in Central and South America to conserve GWWA stopover and wintering habitat, while implementing a regional program to restore and enhance breeding habitat throughout the Great Lakes. ABC's Minnesota Private Lands Program, implemented with funding through NRCS, completed similar work with private landowners, resulting in 5,760 acres since 2013.

In Phase III, habitat project work will be completed on sites adjacent to deciduous and mixed forest stands to accommodate diverse habitat needs of target species. Mechanical operations concentrate on emulating natural disturbance by hiring contractors to cut dense alder, willow, and other forest or brushland species from 1-5" diameter on non-commercial forest/brushland stands to create nesting, brood rearing, and browsing habitat. Mature trees and patchy, woody structure are retained during project operations, creating site-level structural diversity to allow male GWWAs to claim territory and attract females, while providing ground nesting and forage for GWWA and associated species. A limited number of planting projects may be implemented to create similar habitat and enhance forest continuity. All projects are completed using GWWA and AMWO BMPs within consensus focal regions.

ABC will utilize funding to provide financial, technical, and project management assistance to public and tribal agency partners for all project phases, while engaging in cooperative forums, outreach and continuing education associated with forest habitat. Due to ABC's established partner network and technical experience restoring and

enhancing early successional habitat, we are able to work across jurisdictional boundaries and address landscape-level priorities while meeting site-level goals. We propose to continue working with established public and tribal agency partners and will continue cultivating new partners in Phase III. ABC may also pursue and manage supplemental project funding if necessary due to a reduced budget associated with COVID-19.

The Cornell Lab of Ornithology recently finished a program to monitor pre- and post-treatment avian occupancy on Phase I and Phase II project sites. From 2015-2018, monitors evaluated project point locations within managed sites and observed a positive effect of treatment on GWWA and AMWO occupancy, resulting in 93% and 88.5%, respectively, on shrubland data points in Minnesota by year three. The results showcase a very positive management response from focal species. GWWA density nearly doubled and AMWO density increased by approximately 45%. This data is not yet published and may be adjusted slightly during peer review.

### **How does the plan address habitats that have significant value for wildlife species of greatest conservation need, and/or threatened or endangered species, and list targeted species?**

The Golden-winged Warbler (GWWA) and American Woodcock (AMWO) breed in young forest and shrubland habitats within diverse, contiguous, deciduous or mixed forest landscapes of central and eastern North America. Minnesota is a key state for the conservation of these species and holds the largest remaining breeding population of GWWA of any U.S. state or Canadian province and the second largest population of AMWO.

GWWA and AMWO are identified as Species of Greatest Conservation Need in the Minnesota State Wildlife Action Plan. Rangewide habitat loss and degradation due to land use change and forest fragmentation has led to GWWA population declines of approximately 68% over the past 50 years. As a result, it has been considered for listing under the Endangered Species Act, which ABC and its partners are working to prevent.

Additionally, throughout its range, AMWO populations steadily declined over the last quarter century at a rate of 1-2% per year. AMWO is also on the 2016 North American Bird Conservation Initiative (NABCI) State of the Birds Watch List, which lists species most in danger of extinction without significant conservation action. Though AMWO and GWWA have very similar habitat needs, AMWO may benefit from habitat treatments on sites with a higher component of internal and/or adjacent conifer.

As identified in the GWWA Status Review and Conservation Plan and the AMWO Conservation Plan and associated best management practices (BMPs), at least 38 shrubland and young forest bird species of conservation concern are frequently or potentially associated with GWWA and AMWO habitat, and thus will likely benefit from habitat operations associated with this proposal.

Where present on the landscape and given an appropriate forest matrix that fulfills additional habitat requirements, projects associated with this proposal will also provide habitat benefits for the following Minnesota

Species of Greatest Conservation Need:

- Veery
- Black-billed Cuckoo
- White-throated Sparrow
- Rose-breasted Grosbeak
- Sedge Wren
- Elk
- Moose
- Canada Lynx
- Eastern Wood-Pewee
- Willow Flycatcher
- Least Flycatcher
- Whip-poor-will
- Brown Thrasher

Additional Non-SGCN of note that also benefit from this work include:

- Ruffed Grouse
- Eastern Towhee
- Indigo Bunting
- Chestnut-sided Warbler
- White-tailed Deer
- Snowshoe Hare
- Yellow Warbler

**Describe how the plan uses science-based targeting that leverages or expands corridors and complexes, reduces fragmentation or protects areas identified in the MN County Biological Survey:**

The work in this project advances the scientifically-established goals set forth in the GWWA Status Review and Conservation Plan and the AMWO Conservation Plan. All work is completed within focal areas identified in these plans and using associated, science-based best management practices.

The Golden-winged Warbler Status Review and Conservation Plan, Regional Best Management Practices, and focal areas were developed and reviewed under the guidance of the Golden-winged Warbler Working Group, a consortium of more than 140 public agency and NGO biologists and natural resource managers engaged in research and conservation of this species, including the U.S. Fish and Wildlife Service (USFWS), National Fish and Wildlife Foundation (NFWF), Cornell Lab of Ornithology, ABC, and the Ruffed Grouse Society.

Project work will be further informed by publications by the Northern Forest Woodcock Initiative, a collaboration of 34 wildlife conservation entities, including the Natural Resources Conservation Service, USFWS, NFWF, and Wildlife Management Institute who worked collaboratively to design the American Woodcock Best Management Practices and Conservation Plan.

ABC has further refined Minnesota focal areas through the use of a combination of GIS data layers to emphasize a landscape level focus on locating project sites within contiguous deciduous forest and brushland complexes on public lands in Minnesota. We also utilize a species occupancy model developed by the Natural Resources Research Institute, monitoring data collected by agency partners and the Cornell Lab of Ornithology, the Minnesota Breeding Bird Atlas, and MN DNR's Natural Heritage Information System when determining priority habitat areas. This additional work is reflected in the ABC Minnesota North Woods BirdScape, which is a target investment area for conservation identified by ABC based on its importance to focal species and potential for landscape-scale impact. By relying on established science, ABC ensures that our work leverages existing complexes and produces habitat with the scope and distribution required to meet landscape goals that provide meaningful impact for target species.

**Which two sections of the Minnesota Statewide Conservation and Preservation Plan are most applicable to this project?**

- H5 Restore land, wetlands and wetland-associated watersheds
- LU10 Support and expand sustainable practices on working forested lands

**Which two other plans are addressed in this program?**

- Minnesota Forest Resource Council Landscape Plans
- Minnesota's Wildlife Action Plan 2015-2025

**Which LSOHC section priorities are addressed in this program?**

**Forest / Prairie Transition**

- Protect, enhance, and restore wild rice wetlands, shallow lakes, wetland/grassland complexes, aspen parklands, and shoreland that provide critical habitat for game and nongame wildlife

### **Northern Forest**

- Restore and enhance habitat on existing protected properties, with preference to habitat for rare, endangered, or threatened species identified by the Minnesota County Biological Survey

### **Does this program include leveraged funding?**

Yes

### **Explain the leverage:**

Leveraged funds include \$370,000 of in-kind support from the U.S. Fish and Wildlife Service (USFWS) through Tamarac National Wildlife Refuge (NWR). In Phase III, Tamarac NWR is committed to providing office space, technical assistance, and use of a roller drum and other equipment to ABC staff for work completed in Phase III. They have also committed to provide limited leverage through USFWS complementary project work on habitat enhancement and restoration efforts on the Refuge and within the Wetland Management District.

ABC also employs two foresters to design and implement early successional habitat projects on private lands in Minnesota through grant funding provided by the Natural Resources Conservation Service (NRCS) Regional Conservation Partners Program (RCPP). ABC's existing agreement has provided \$5 million to this effort in Michigan, Wisconsin, and Minnesota since 2014 and will continue through FY2021. ABC is presently negotiating Phase II RCPP funding from NRCS to extend this program for an additional five years. Though this funding will not be in hand as this grant is evaluated, at a minimum, ABC is committed to retaining these MN private lands foresters through FY2023. ABC will provide \$38,000 in NRCS-RCPP funds already secured for these two foresters from July 2020 through April 2021, with another \$450,000 through funds anticipated, but not yet secured, during the remainder of Phase III.

In October, 2019, ABC will also finish a Phase II grant from the National Fish and Wildlife Foundation (NFWF) for \$150,000 to complete complimentary young forest habitat management and pre and post treatment bird and vegetative monitoring on project sites throughout the Great Lakes Region. ABC plans to apply for additional NFWF funding once this grant is complete; however, this funding will not be in-hand upon submission of this proposal.

Finally, the ABC Minnesota Public and Private Lands Programs are implemented with project management and programmatic assistance by the ABC Great Lakes Region Vice President. ABC will provide \$38,875 as match from this position, equivalent to 5% in salary and benefits over five years.

### **Per MS 97A.056, Subd. 24, Please explain whether the request is supplanting or is a substitution for any previous funding that was not from a legacy fund and was used for the same purpose.**

This proposal only requests supplemental funds for planning and implementation of the habitat projects described herein and does not supplant any existing funds of public and tribal agency partners.

## Non-OHF Appropriations

Year	Source	Amount
2014	U.S. Fish and Wildlife Service -- Neomigratory Bird Conservation Act Grant funds	\$134,955
2014-2016	National Fish and Wildlife Foundation Phase I	\$399,907
2017-2019	National Fish and Wildlife Foundation Phase II	\$150,000
2014-2021	Natural Resources Conservation Service: Regional Conservation Partnership Program	\$5,000,000

## How will you sustain and/or maintain this work after the Outdoor Heritage Funds are expended?

ABC has a mission to conserve native birds and their habitats throughout the Americas. To realize this mission, we have built an organizational structure that continuously supports species of priority concern without relying exclusively on any single funding source. As such, this project is one aspect of a collaborative full life-cycle conservation initiative for GWWA and associated early successional habitat species. Due to the scope of this initiative, numerous state, federal, and private funding sources will continue to be used to maintain quality habitat in breeding, migratory, and wintering ranges now and in the future. Though the capacity to complete this vital work would be diminished if future MN OHF funding was not available, ABC would continue to seek alternate funding to maintain this program. Further, by continuing to engage a broad network of partners while promoting education and outreach of priority species BMPs, ABC's public and private lands work to promote young forest habitat has led directly to a greater awareness within the natural resources community of how to best utilize the most recent research and new funding sources to implement quality habitat treatments to benefit these focal species.

## Actions to Maintain Project Outcomes

Year	Source of Funds	Step 1	Step 2	Step 3
2019	Private Donations and Public Funding (MN OHF, RCPP, NFWF)	Complete 2,000+ Acres of Habitat Treatments on Public and Private Lands	Continue Outreach and Education Programs for Priority Species	-
2020-2025	Private Donations and Public Funding (MN OHF, RCPP)	Complete 7,000+ Acres of Habitat Treatments on Public and Private Lands	Continue to Refine BMPs with Current Research and Monitoring	Continue to Expand Network of Partner Agencies and Organizations
2026-2030	Private Donations and Public Funding (TBD)	Continue Public and Private Lands Programs	Continue Outreach and Education Programs for Priority Species	Continue to Monitor and Evaluate Focal Species Response to Young Forest Conservation Program

## Activity Details

### Requirements

**If funded, this program will meet all applicable criteria set forth in MS 97A.056?**

Yes

**Will restoration and enhancement work follow best management practices including MS 84.973 Pollinator Habitat Program?**

Yes

**Is the restoration and enhancement activity on permanently protected land per 97A.056, Subd 13(f), tribal lands, and/or public waters per MS 103G.005, Subd. 15?**

Yes

**Where does the activity take place?**

- WMA
- WPA
- Permanently Protected Conservation Easements
- County/Municipal
- Refuge Lands
- State Forests
- Other : Tribal Reservations

## Land Use

**Will there be planting of any crop on OHF land purchased or restored in this program?**

No

## Timeline

Activity Name	Estimated Completion Date
Enhance 3650+ acres of Young Forest Habitat on Public/Tribal Lands (Avg. 730 acres/yr)	July 2025

**Date of Final Report Submission:** 11/01/2025

**Availability of Appropriation:** Subd. 7. Availability of Appropriation

Money appropriated in this section may not be spent on activities unless they are directly related to and necessary for a specific appropriation and are specified in the accomplishment plan approved by the Lessard-Sams Outdoor Heritage Council. Money appropriated in this section must not be spent on indirect costs or other institutional overhead charges that are not directly related to and necessary for a specific appropriation. Unless otherwise provided, the amounts in this section are available until June 30, 2023. For acquisition of real property, the amounts in this section are available until June 30, 2024, if a binding agreement with a landowner or purchase agreement is entered into by June 30, 2023, and closed no later than June 30, 2024. Funds for restoration or enhancement are available until June 30, 2025, or five years after acquisition, whichever is later, in order to complete initial restoration or enhancement work. If a project receives at least 15 percent of its funding from federal funds, the time of the appropriation may be extended to equal the availability of federal funding to a maximum of six years if the federal funding was confirmed and included in the original approved draft accomplishment plan. Funds appropriated for fee title acquisition of land may be used to restore, enhance, and provide for public use of the land acquired with the appropriation. Public-use facilities must have a minimal impact on habitat in acquired lands.



**Budget**

*Budget reallocations up to 10% do not require an amendment to the Accomplishment Plan.*

**Totals**

Item	Funding Request	Antic. Leverage	Leverage Source	Total
Personnel	\$370,000	\$324,900	USFWS Tamarac NWR, USFWS Tamarac NWR, American Bird Conservancy, American Bird Conservancy via NRCS RCPP	\$694,900
Contracts	\$872,000	-	-	\$872,000
Fee Acquisition w/ PILT	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	-	-	-	-
Easement Stewardship	-	-	-	-
Travel	\$21,500	\$5,000	USFWS Tamarac NWR	\$26,500
Professional Services	-	-	-	-
Direct Support Services	\$10,300	\$90,000	USFWS Tamarac NWR	\$100,300
DNR Land Acquisition Costs	-	-	-	-
Capital Equipment	-	-	-	-
Other Equipment/Tools	\$600	\$25,000	USFWS Tamarac NWR	\$25,600
Supplies/Materials	\$600	-	-	\$600
DNR IDP	-	-	-	-
<b>Grand Total</b>	<b>\$1,275,000</b>	<b>\$444,900</b>	-	<b>\$1,719,900</b>

**Personnel**

Position	Annual FTE	Years Working	Funding Request	Antic. Leverage	Leverage Source	Total
ABC MN Coordinator	1.0	4.0	\$370,000	-	-	\$370,000
Tamarac NWR Public Lands Program Support	0.0	5.0	-	\$175,000	USFWS Tamarac NWR	\$175,000
Tamarac NWR Private Lands Program Support	0.0	5.0	-	\$75,000	USFWS Tamarac NWR	\$75,000
ABC Great Lakes Region Vice President	0.05	5.0	-	\$36,900	American Bird Conservancy	\$36,900
ABC Private Lands Foresters	0.5	0.5	-	\$38,000	American Bird Conservancy via NRCS RCPP	\$38,000

**Amount of Request:** \$1,275,000

**Amount of Leverage:** \$444,900

**Leverage as a percent of the Request:** 34.89%

**DSS + Personnel:** \$380,300

**As a % of the total request:** 29.83%

**Easement Stewardship:** -

**As a % of the Easement Acquisition:** -

**How will this program accommodate the reduced appropriation recommendation from the original proposed requested amount?**

ABC received 61.5% of proposed budget. Removed 1 staff position. Budget items adjusted to (% of proposed): Personnel: 46%; Contracts: 68%; Travel: 60%; DSS: 81%, S/M increased to add additional planting projects (~100 total acres). Added \$500 to E/T budget. Contracts % of budget increased from 62% to 68%.

**Describe and explain leverage source and confirmation of funds:**

Secured: \$444900

Anticipated: \$450000

Total: \$894875

ABC confirms \$370000 in-kind leverage from Tamarac NWR for office space, equipment and habitat work, \$38,000 for

Minnesota private forester salaries through April 2021, and \$36900 for ABC Great Lakes VP. ABC is working to renew NRCS RCPP funding for 5 yrs.

## **Contracts**

**What is included in the contracts line?**

All allocated 'Contracts' funds are used to hire Minnesota contractors to complete habitat projects described herein. This budget item will concentrate on hiring local contractors for brush cutting projects and a limited number of complimentary planting projects. This proposal is designed to maximize funds spent directly on projects.

## **Travel**

**Does the amount in the travel line include equipment/vehicle rental?**

No

**Explain the amount in the travel line outside of traditional travel costs of mileage, food, and lodging**

No allocated travel funds will be used for purposes other than traditional travel costs: mileage, food, and lodging.

**I understand and agree that lodging, meals, and mileage must comply with the current MMB Commissioner Plan:**

No

## **Direct Support Services**

**How did you determine which portions of the Direct Support Services of your shared support services is direct to this program?**

The Direct Support Services budget was determined using timesheet data from MN OHF programmatic funding for grant implementation support requirements for Young Forest Conservation Phases I and II. This allocation represents only a portion of tasks that will be completed by ABC staff under the Direct Support Services budget line. These tasks include, but are not limited to grant management and reimbursement, contract creation for project contractors, and contractor payment for completed projects. This allocation was greatly reduced associated with COVID-19 to maintain program integrity and will likely result in additional in-kind match from ABC for program support.

### **Federal Funds**

**Do you anticipate federal funds as a match for this program?**

Yes

**Are the funds confirmed?**

Yes

**Is Confirmation Document attached?**

[Yes](#)

- In Kind : \$370,000

Output Tables**Acres by Resource Type (Table 1)**

Type	Wetland	Prairie	Forest	Habitat	Total Acres
Restore	0	0	0	0	0
Protect in Fee with State PILT Liability	0	0	0	0	0
Protect in Fee w/o State PILT Liability	0	0	0	0	0
Protect in Easement	0	0	0	0	0
Enhance	0	0	3,650	0	3,650
<b>Total</b>	<b>0</b>	<b>0</b>	<b>3,650</b>	<b>0</b>	<b>3,650</b>

**Total Requested Funding by Resource Type (Table 2)**

Type	Wetland	Prairie	Forest	Habitat	Total Funding
Restore	-	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	-	-	-
Enhance	-	-	\$1,275,000	-	\$1,275,000
<b>Total</b>	<b>-</b>	<b>-</b>	<b>\$1,275,000</b>	<b>-</b>	<b>\$1,275,000</b>

**Acres within each Ecological Section (Table 3)**

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Acres
Restore	0	0	0	0	0	0
Protect in Fee with State PILT Liability	0	0	0	0	0	0
Protect in Fee w/o State PILT Liability	0	0	0	0	0	0
Protect in Easement	0	0	0	0	0	0
Enhance	0	100	0	0	3,550	3,650
<b>Total</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>3,550</b>	<b>3,650</b>

**Total Requested Funding within each Ecological Section (Table 4)**

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Funding
Restore	-	-	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-	-
Protect in Easement	-	-	-	-	-	-
Enhance	-	\$25,000	-	-	\$1,250,000	\$1,275,000
<b>Total</b>	<b>-</b>	<b>\$25,000</b>	<b>-</b>	<b>-</b>	<b>\$1,250,000</b>	<b>\$1,275,000</b>

**Average Cost per Acre by Resource Type (Table 5)**

Type	Wetland	Prairie	Forest	Habitat
Restore	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-
Protect in Easement	-	-	-	-
Enhance	-	-	\$349	-

**Average Cost per Acre by Ecological Section (Table 6)**

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest
Restore	-	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-

Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	-	-	-
Enhance	-	\$250	-	-	\$352

### Target Lake/Stream/River Feet or Miles

0

## Outcomes

### Programs in forest-prairie transition region:

- Protected, restored, and enhanced nesting and migratory habitat for waterfowl, upland birds, and species of greatest conservation need ~ *A very small number of project acres fall within the Forest-Prairie Transition Region. In Phases I & II, there were project sites that fell directly on the boundary of the Forest-Prairie Transition/Northern Forest resulting in <2% of the final acreage falling within the Forest-Prairie Transition region. This region is included to avoid revising this input to accommodate online reporting if a similar circumstance occurs in Phase III. It is possible that less than the 100 acres included in this proposal will ultimately fall in this region. Outcomes for this region are evaluated as described for the Northern Forest Region.*

### Programs in the northern forest region:

- Healthy populations of endangered, threatened, and special concern species as well as more common species ~ *ABC, in partnership with the Cornell Lab of Ornithology, recently finished a program to monitor pre- and post-treatment avian occupancy on Phase I and Phase II public lands project sites. From 2015-2018, monitors evaluated project point locations within managed sites in Minnesota and Wisconsin. Monitors observed a positive effect of treatment on GWWA and AMWO occupancy, resulting in 93% and 88.5%, respectively, on shrubland data points of managed sites in Minnesota by year three. GWWA density nearly doubled and AMWO density increased by approximately 45%. (Results are presently being peer-reviewed for publication.) Proposed Parcel table is subject to revision.*

## Parcels

*For restoration and enhancement programs ONLY: Managers may add, delete, and substitute projects on this parcel list based upon need, readiness, cost, opportunity, and/or urgency so long as the substitute parcel/project forwards the constitutional objectives of this program in the Project Scope table of this accomplishment plan. The final accomplishment plan report will include the final parcel list.*

### Parcel Information

#### Sign-up Criteria?

[Yes](#)

**Explain the process used to identify, prioritize, and select the parcels on your list:**

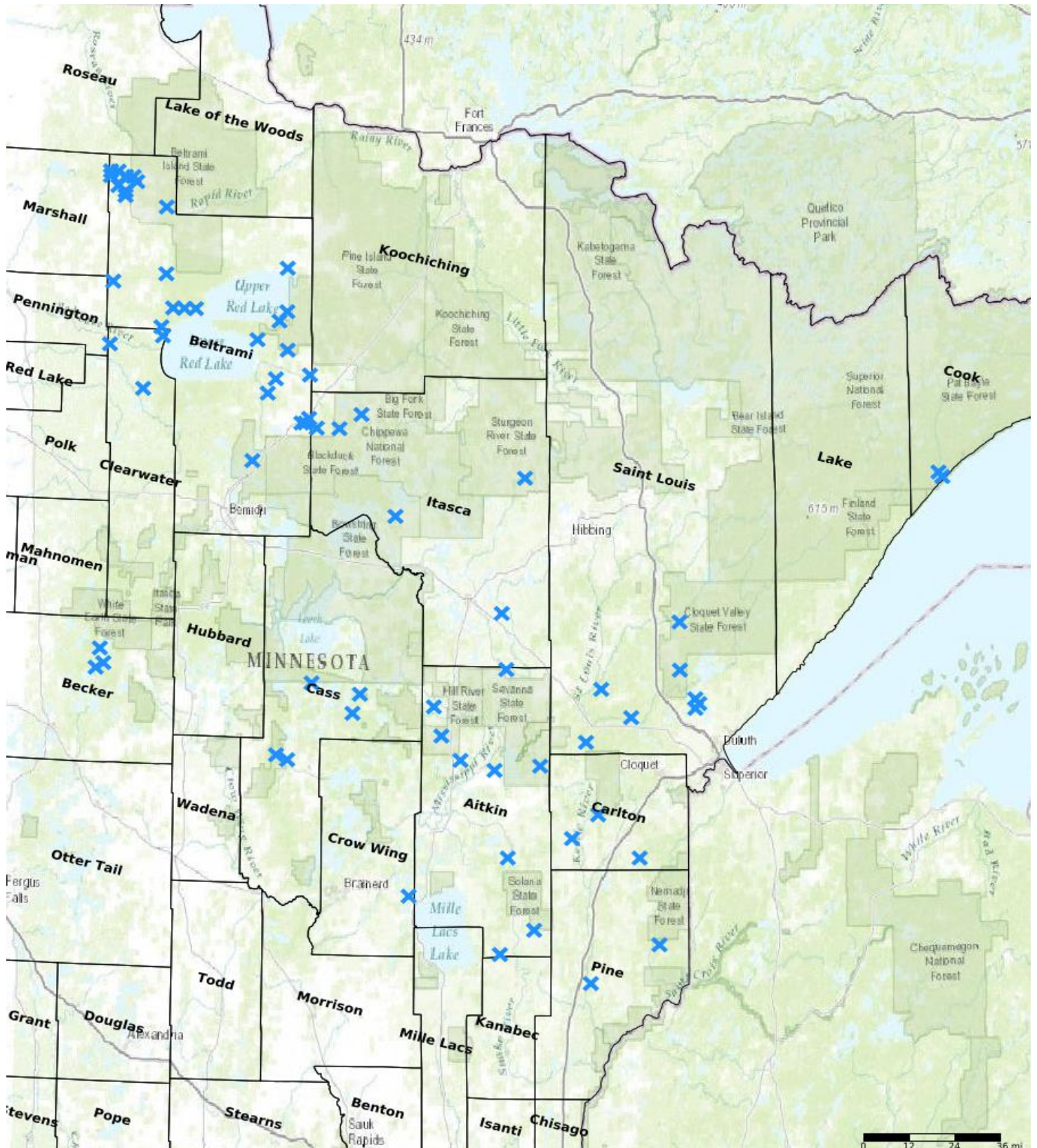
### Restore / Enhance Parcels

Name	County	TRDS	Acres	Est Cost	Existing Protection
Aitkin Co. #4	Aitkin	05127213	100	\$25,000	Yes
Aitkin Co. #5	Aitkin	04924222	25	\$6,250	Yes
Aitkin DNR #3	Aitkin	05026217	100	\$25,000	Yes
Aitkin Co. #1	Aitkin	05223206	33	\$6,864	Yes
Aitkin DNR #2	Aitkin	04925207	100	\$25,000	Yes
Aitkin Co./Aitkin DNR #1	Aitkin	04922215	75	\$18,750	Yes
Aitkin Co. #2	Aitkin	04324235	75	\$18,750	Yes
Aitkin DNR #1	Aitkin	04623219	75	\$18,750	Yes
Aitkin Co. #3	Aitkin	04322205	50	\$12,500	Yes
Tamarac NWR #2	Becker	14139224	61	\$15,738	Yes
Tamarac NWR #1	Becker	14139202	57	\$14,706	Yes
Tamarac NWR #3	Becker	14139227	20	\$5,000	Yes
Red Lake Reservation #7	Beltrami	15838219	50	\$12,500	Yes
Red Lake Reservation #2	Beltrami	15438217	130	\$32,500	Yes
Red Lake Reservation #1	Beltrami	15838221	55	\$13,750	Yes
MN DNR Wapiti WMA #1	Beltrami	15838226	95	\$22,800	Yes
MN DNR Red Lake WMA #1	Beltrami	15837230	38	\$9,500	Yes
MN DNR Red Lake WMA #2	Beltrami	15837232	33	\$7,920	Yes
Beltrami Co. #3	Beltrami	15131221	37	\$9,250	Yes
Beltrami Co./Bemidji DNR #2	Beltrami	15130213	50	\$12,500	Yes
Beltrami Co. #1	Beltrami	14930203	45	\$11,250	Yes
Beltrami Co./Bemidji DNR #1	Beltrami	15030236	23	\$4,255	Yes
Red Lake Reservation #14	Beltrami	15335209	185	\$46,250	Yes
Red Lake Reservation #13	Beltrami	15336212	130	\$32,500	Yes
Red Lake Reservation #12	Beltrami	15436203	40	\$10,000	Yes
Red Lake Reservation #11	Beltrami	15335212	40	\$10,000	Yes
Red Lake Reservation #5	Beltrami	15738214	55	\$13,750	Yes
Red Lake Reservation #9	Beltrami	15336233	40	\$10,000	Yes
Red Lake Reservation #6	Beltrami	15232210	163	\$35,045	Yes
Bemidji DNR #4	Beltrami	15331212	100	\$25,000	Yes
Bemidji DNR #1	Beltrami	15231224	200	\$50,000	Yes
Bemidji DNR #2	Beltrami	15331222	125	\$31,250	Yes
Bemidji DNR #3	Beltrami	14832216	75	\$18,750	Yes
Wapiti WMA #2	Beltrami	15738211	100	\$25,000	Yes
Baudette DNR #1	Beltrami	15531225	125	\$31,250	Yes
Wapiti WMA #3	Beltrami	15838230	150	\$37,500	Yes
Beltrami Co. #2	Beltrami	14930202	41	\$7,585	Yes

Red Lake Reservation #8	Beltrami	15736227	100	\$25,000	Yes
Beltrami Co. #4	Beltrami	15031206	150	\$37,500	Yes
Wapati WMA #4	Beltrami	15738204	50	\$12,500	Yes
Carlton Co. #2	Carlton	04618224	100	\$25,000	Yes
Cloquet DNR #1	Carlton	04721236	63	\$11,718	Yes
Carlton Co. #1	Carlton	04719206	42	\$10,544	Yes
Cass Co. #1	Cass	13830230	30	\$7,500	Yes
Cass Co. #4	Cass	13928201	75	\$18,750	Yes
Brainerd DNR #1	Cass	13831222	50	\$12,500	Yes
Cass Co. #3	Cass	14027217	50	\$12,500	Yes
Cass Co. #2	Cass	14029206	50	\$12,500	Yes
Red Lake Reservation #4	Clearwater	15037203	85	\$21,250	Yes
Red Lake Reservation #10	Clearwater	15236209	40	\$10,000	Yes
Red Lake Reservation #3	Clearwater	15238219	75	\$18,750	Yes
Superior National Forest #2	Cook	05904221	114	\$28,500	Yes
Superior National Forest #1	Cook	05904217	151	\$32,012	Yes
Brainerd DNR #2	Crow Wing	04528235	50	\$12,500	Yes
Grand Rapids DNR #2	Itasca	14626211	50	\$12,500	Yes
Itasca Co. #2	Itasca	05923213	75	\$18,750	Yes
Grand Rapids DNR #3	Itasca	15027229	50	\$12,500	Yes
Itasca Co. #1	Itasca	14929208	37	\$6,845	Yes
Itasca Co. #3	Itasca	05424201	50	\$12,500	Yes
Grand Rapids DNR #1	Itasca	14928208	75	\$18,750	Yes
MN DNR Sandstone WMA #1	Pine	04220235	68	\$15,300	Yes
Pine Co. #1	Pine	04317223	48	\$10,800	Yes
MN DNR Canosia WMA #3	St. Louis	05115210	9	\$2,025	Yes
MN DNR Canosia WMA #1	St. Louis	05115216	25	\$6,250	Yes
MN DNR Canosia WMA #2	St. Louis	05115204	10	\$2,500	Yes
St. Louis Co. #4	St. Louis	05216202	50	\$12,500	Yes
St. Louis Co. #3	St. Louis	05118227	175	\$43,750	Yes
St. Louis Co. #1	St. Louis	05416214	70	\$16,800	Yes
St. Louis Co. #5	St. Louis	05020222	50	\$12,500	Yes
St. Louis Co. #2	St. Louis	05219229	40	\$9,600	Yes



## Parcel Map



- Protect in Easement
- ▲ Protect in Fee with PILT
- Protect in Fee W/O PILT
- ★ Restore
- ✕ Enhance
- ✚ Other